

U.S. Patent Application Serial No. 09/817,365
Amendment filed March 13, 2006
Reply to OA dated December 13, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Canceled)

Claim 2 (Canceled)

Claim 3 (Canceled)

Claim 4 (Canceled)

Claim 5. (Canceled)

Claim 6. (Canceled)

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Claim 7. (Allowed): A crawler-track connection structure comprising:

a pin (8) to be inserted through superposed end portions of links (5) and (5); and

a seal assembly (S) externally fitted on said pin (8) for preventing overflow of a lubricant to the outside, the lubricant being supplied to an outer peripheral side of said pin (8), wherein

one of said links (5) and (5) is immobilized on said pin (8);

the other one of said links (5) and (5) is supported on said pin (8) to be rotatable thereon; and
said seal assembly comprises

a load seal ring (2) disposed between radial-direction walls (W) and (W) opposing each other along an axial direction and having an axial-direction length at an inner-peripheral side less than a distance between said radial direction walls,

a first seal ring (1) comprising a lip portion (23) press-engaged with one of said radial-direction walls (W) and (W) according to a pressure exerted from said load seal ring (2),

a second seal ring (1) comprising a lip portion (23) press-engaged with the other one of said radial-direction walls (W) and (W) according to a pressure exerted from said load seal ring (2), one of said seal rings (1) and (1) comprises a controller body (32) for controlling the displacement of said load seal ring (2) in a first periphery direction, and the other one of said seal rings (1) and (1) comprises another controller body (32) for controlling the displacement of said load ring (2) in a second periphery direction, said second periphery direction being opposite said first periphery direction.

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Claim 8. (Allowed): The crawler-track connection structure as defined in claim 7, further comprising a bushing (12) immobilized in the other one of said links (5) and (5) to be rotatable on said pin (8), and an end surface of said bushing (12) functions as the one of said radial-direction walls (W) and (W).

Claim 9. (Allowed): The crawler-track connection structure as defined in claim 7, further comprising:

a bushing (12) immobilized in the other one of said links (5) and (5) to be rotatable on said pin (8); and

a bushing (13) on the side of a sprocket (18), wherein said seal assembly (S) is inserted between said bushing (12) and said bushing (13).

Claim 10. (Allowed): The crawler-track connection structure as defined in one of claims 7 to 9, further comprising a ring body (31) disposed in an inner-diameter side of said load seal ring (2) for controlling the displacement of said load seal ring (2) in a periphery inner direction.

Claim 11. (Currently Amended): The crawler-track connection structure as defined in one of claims 7 to 9, further comprising a dust seal ring (~~37~~) disposed in an outer peripheral side of said seal assembly (S).

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Claim 12. (Canceled)

Claim 13. (Canceled)